CORRECTIONS & updates

Evaluation System for 80C166 (parts 1 and 2)

March & April 1999, 990028

Errors in Components List

IC9 and IC10 should be type 74HC573, not HCT573.

C1 and C2 should be 10µF 16 tantalum bead.

R20 should be an 8-way SIL array, value 4kΩ7.

The crystal frequency mentioned with C18, C19 should be 40MHz, not 100MHz.

IC3, MAX690 should be listed as MAX690 (BATT), not MAX690 (I/O)

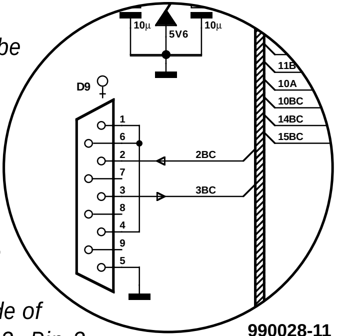
Miscellaneous

Pull-up resistors R1-R4 need not be mounted with the serial channels.

When a 40-MHz crystal is used for X1, it may oscillate at the fundamental frequency (13.333 MHz) instead of the third overtone. If this happens the system baudrate will not be correct and the serial communication will fail to work as described. Suggested solutions are (1) to use a 40-MHz crystal oscillator module, (2) use a different 40-MHz crystal or (3) adapt the value of C18 and C19 until oscillation occurs at the third overtone.

The battery may be a 3.6-V NiCd type, but note that this is very slowly charged by the MAX690. A better solution is to use a Lithium battery.

The circuit diagram does not make it clear how the serial connection is made via D9. Pins 2 and 3 of this connector should not be connected TxD1 and RxD1 (i.e. the TTL side of the MAX232), but to the other (RS232) side of the MAX232. Pin 2 of D9 is therefore connected to pin 2BC via bus K1. Likewise pin 3 of D9 is connected to pin 3BC via bus K1. The correct connections are shown in the illustration.



990028-11

Development System for 68HC11F1

June 1999, 990042

JP1 is a simple jumper. In the text and parts list, it is erroneously referred to as K3.

Part K3 is a 4-way SIL pinheader. In the text and parts list, it is erroneously referred to as JP1

R4 is erroneously listed as a SIL array with a value of 10kΩ. The PCB however only accommodates eight discrete resistors. These are numbered R4 and R6-R12. Resistor R13 in the circuit diagram equals R4 on the PCB.

PC-Controlled Model Railway: EEDTS Pro

June 1999, 990082-2

On page 60, the text references t S3, D1 and S4 should read S2, D2 and S1 respectively.